

Nginx advanced configuration

Edit the website nginx configuration

From the service overview screen it's possible to edit the nginx configuration for the elestio default subdomain domain & custom domain, to do that go to the Security tab, then click on Nginx configuration then click on Config button.

The screenshot shows the elestio service overview interface. On the left, there is a sidebar with various project management options like Services, CI/CD, Volumes, Load Balancer, Domains, Members, Billing, Project Setting, Audit Trail, Account, Support Tickets, Monitoring, and Documentation. The main area displays a service named "ghost-detoo" which is "Running". Below the service name, there are several tabs: Overview, Tools, Backups, Metrics, Monitoring, Logs, Audit, Security (which is highlighted in orange), Alerts, and Notes. Under the Security tab, there are sections for "Enable/Disable Firewall" (with a link to "Configure firewall rules"), "Rate Limiter", "Output Cache", "Manage SSH Keys", and "Nginx Configuration". The "Nginx Configuration" section contains a table with one row, showing a Cname (ghost-detoo-u3.vm.elestio.app) and an Action (Config). The "Config" button is highlighted with a yellow background and blue border.

Cname	Action
ghost-detoo-u3.vm.elestio.app	<input checked="" type="button"/> Config

There you will see the site configuration in nginx, you are able from there to add or remove headers, to configure the reverse proxy and much more. Nginx is very powerful and provide tons of customizations and control.

```

1 map $http_upgrade $connection_upgrade {
2   default upgrade;
3   '' close;
4 }
5
6 proxy_cache_path /tmp levels=1:2 keys_zone=my_cache:10m max_size=1g inactive=60m use_temp_path=off;
7 limit_req_zone $binary_remote_addr$http_x_forwarded_for zone=iprl:16m rate=500r/m;
8
9 server {
10   listen 443 ssl http;
11   ssl_certificate /etc/nginx/certs/cert.pem;
12   ssl_certificate_key /etc/nginx/certs/key.pem;
13   server_name ghost-detoo-u3.vm.elestio.app;
14
15   ssl_protocols TLSv1.2 TLSv1.3;
16   ssl_prefer_server_ciphers on;
17   ssl_ciphers ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-RSA-CHACHA20-POLY1305:DHE-RSA-AES128-GCM-SHA256;
18
19   client_header_buffer_size 32k;
20   large_client_buffers 4 64k;
21
22   access_log flush=1s;
23   #access_log /var/log/nginx/access_log;
24   #error_log /var/log/nginx/error_log;
25
26   location / {
27
28     limit_req zone=iprl burst=500 nodelay;
29     limit_req_log_level warn;
30
31     proxy_http_version 1.1;
32     proxy_pass http://172.17.0.1:2368;
33     proxy_set_header Host $http_host;
34     proxy_set_header X-Real-IP $remote_addr;
35     proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
36

```

Cancel Apply Apply & Restart

Edit the global Nginx configuration

It's also possible to edit the global nginx configuration, to do that follow those steps:

1) create a file named **nginx.conf** in **/opt/elestio/nginx/**

2) Paste exactly this content in the file, then you can customize if for your needs:

```

worker_processes auto;

worker_rlimit_nofile 100000;

events {
    worker_connections 4000;
}

http {
    include mime.types;
    default_type application/octet-stream;
    sendfile on;
    tcp_nopush on;
    tcp_nodelay on;
    server_tokens off;
}

```

```
# reasonable defaults
client_header_timeout 10m;
client_body_timeout 10m;
send_timeout 10m;
client_max_body_size 5120M;

connection_pool_size 256;
client_header_buffer_size 32k;
large_client_header_buffers 4 64k;
request_pool_size 4k;

server_names_hash_bucket_size 4096;

output_buffers 1 32k;
postpone_output 1460;

proxy_buffer_size 128k;
proxy_buffers 4 256k;
proxy_busy_buffers_size 256k;

ignore_invalid_headers on;

# enable gzip support
include server-gzip.conf;

# auto-ssl lua magic for automatic generation of certs
include resty-http.conf;

server {
    listen 80 default_server;

    include resty-server-http.conf;
}

include /etc/nginx/conf.d/*.conf;
}

stream {
    include /etc/nginx/streams/*.conf;
}
```

3) edit this file: **/opt/elestio/nginx/docker-compose.yml** and add there a new line under volumes

- **/opt/elestio/nginx/nginx.conf:/usr/local/openresty/nginx/conf/nginx.conf**

It should look like this:

```
version: '2'
services:
  nginx:
    image: elestio/nginx-auto-ssl:latest
    container_name: elestio-nginx
    restart: always
    network_mode: "host"
    volumes:
      - /opt/elestio/nginx/nginx.conf:/usr/local/openresty/nginx/conf/nginx.conf
      - /opt/elestio/nginx/ssl_data:/etc/resty-auto-ssl
      - /opt/elestio/nginx/conf.d:/etc/nginx/conf.d
      - /opt/elestio/nginxstreams:/etc/nginxstreams
      - /opt/elestio/nginx/logs:/var/log/nginx/
      - /root/.acme.sh/vm.elestio.app/fullchain.cer:/etc/nginx/certs/cert.pem
      - /root/.acme.sh/vm.elestio.app/vm.elestio.app.key:/etc/nginx/certs/key.pem
    env_file:
      - .env
```

4) Restart nginx with this command:

```
cd /opt/elestio/nginx/;
docker-compose down;
docker-compose up -d;
```

Now nginx reverse proxy will use your custom global configuration

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